

SOLID WASTE FACILITY PERMIT1. Facility/Permit Number:
21-AA-0001

2. Name and Address of Facility:

Redwood Landfill
8950 Redwood Highway
Novato CA 94945

3. Name and Mailing Address of Operator:

Redwood Landfill, Inc.
P.O. Box 793
Novato CA 94948

4. Name and Mailing Address of Owner:

Redwood Landfill, Inc.
P.O. Box 793
Novato CA 94948

5. Specifications:

a. Permitted Operations:

- | | |
|---|--|
| <input type="checkbox"/> Composting Facility (mixed wastes) | <input type="checkbox"/> Processing Facility |
| <input type="checkbox"/> Composting Facility (yard waste) | <input type="checkbox"/> Transfer Station |
| <input checked="" type="checkbox"/> Landfill Disposal Site | <input type="checkbox"/> Transformation Facility |
| <input type="checkbox"/> Material Recovery Facility | <input type="checkbox"/> Other: |

b. Permitted Hours of Operation:

	General Public
M-F	7:00 am to 3:00 pm
Sat	8:00 am to 3:30 pm

Commercial Haulers
12:00 am to 3:00 pm
12:00 am to 3:30 pm

Sludge Haulers
24 hours per day
seven days a week

Landfill Operations
8:00 pm (prior day) to 4:30 pm
8:00 pm (prior day) to 4:30 pm

Office Hours
8:00 am to 5:00 pm

c. Permitted Tons per Operating Day: (Landfilled materials only)

Non-Hazardous-General (Total includes Designated)

Non-hazardous-Sludge

Non-Hazardous-Separated or commingled Recyclables

Non-Hazardous-Other (See Section 14 of Permit)

Designated (See Section 14 of Permit)

Hazardous (See Section 14 of Permit)

Total: 2300 Tons/Day

1270 Tons/Day

1000 (550 daily average) Tons/Day

10 Tons/Day

N/A Tons/Day

20 Tons/Day

N/A Tons/Day

d. Permitted Traffic Volume: (Construction traffic excluded)

Incoming Waste Materials

Outgoing Waste Materials (for Disposal)

Outgoing Materials from Material Recovery Operations

Total: 415 Vehicles/Day

410 Vehicles/Day

N/A Vehicles/Day

5 Vehicles/Day

e. Key Design Parameters (Detailed parameters are shown on site plans bearing EA and CIWMB validations):

	Total	Disposal	Transfer	MRF	Composting	Processing
Permitted Area (In Acres)	420 acres	210 acres				105 acres
Design Capacity (cubic yards)		19.1 mil. cy				< 700 cy/day
Max. Elevation (FL MSL)		166 FL				N/A
Max. Depth (FL BGS)		N/A				N/A
Estimated Closure Date		2039				2039

This permit is granted solely to the operator named above, and is not transferable. Upon a change of operator, this permit is no longer valid. Further, upon a significant change in design or operation from that described herein, this permit is subject to revocation or suspension. The attached permit findings and conditions are integral parts of this permit and supersede the conditions of any previously issued solid waste facility permits.

6. Approval:

Approving Officer Signature

Edward J. Stewart, Chief Environmental Health Services
Name/Title

7. Enforcement Agency Name and Address:

Environmental Health Services
Marin County Civic Center Room 283
San Rafael, CA 94903

8. Received by CIWMB:

MAY 30 1995

9. CIWMB Concurrence Date:

JUN 28 1995

10. Permit Review Due Date:

July 28, 2000

11. Permit Issued Date:

July 28, 1995

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12. Legal Description of Facility (refer to Attachment "A")**13. Findings**

- a) This permit is consistent with the 1987 County Solid Waste Management Plan as indicated on page 4-18 through 4-26 of the plan. Public Resources Code, Section 50000 (a)(1).
- b) This permit is consistent with standards adopted by the California Integrated Waste Management Board (CIWMB). Public Resources Code, Section 44010.
- c) The design and operation of the facility is in compliance with the State Minimum Standards for Solid Waste Handling and Disposal as determined by CIWMB enforcement staff and the LEA during an inspection on May 16, 1995.
- d) The Novato Fire Protection District has determined that the facility is in conformance with applicable fire standards as required in Public Resources Code, Section 44151.
- e) An environmental impact report was certified on May 24, 1994 for this facility pursuant to Public Resources Code, Section 21081.6 and is filed with the State Clearinghouse (Environmental Impact Report, Vol. 1 & 2, SCH # 91033042).
- f) A Countywide Integrated Waste Management Plan has not been approved by the CIWMB.
- g) The Marin County Planning Department, a Division of the Community Development Agency, has made a determination that the facility is consistent with, and designated in the Marin County's General Plan, adopted on January 18, 1994. Public Resources Code, Section 50000.5(a).
- h) The Marin County Planning Department, a Division of the Community Development Agency, has made a written finding that surrounding land use is compatible with the facility operation. Public Resources Code, Section 50000.5(b).

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14. Prohibitions:

The permittee is prohibited from accepting the following wastes:

- Hazardous
- Radioactive
- Untreated medical (as defined in Chapter 6.1, Division 20 of the Health and Safety Code)
- Liquid wastes (unless described in Section 17 h of this permit)
- Wastes requiring special handling (unless described in Section 17 h of this permit)
- Hot ashes
- Asbestos greater than 1 percent friable
- Petroleum contaminated soils at levels in excess of those permitted under waste acceptance criteria approved by Regional Water Quality Control Board (RWQCB)

The permittee is additionally prohibited from the following activities:

- Open burning of wastes
- Allowing standing water on covered fill surfaces
- Disposal of whole tires
- Disposal of metallic discards, pursuant to Public Resources Code, Section 42170 (a).
- Scavenging by customers or employees

15. The following documents also describe and/or restrict the operation of this facility and are supporting documents of the application package pursuant to 14 CCR 18201:

DOCUMENT	DATE
Report of Disposal Site Information (RDSI)	June 30, 1994 - Rev. Feb. 14, 1995
Marin County Use Permit	Feb. 25, 1958
Marin County General Plan	Jan. 18, 1994
Environmental Impact Report SCH# 91033042	May 24, 1994
Bay Area Air Quality Management District Permit to Operate Plant Number 1179	Jan. 1, 1995 (annual renewal)
Bay Area Air Quality Management District Permit to Operate Gasoline Dispensing Facilities (G#6004)	Dec 1, 1995 (annual renewal)
Preliminary Closure/Post-Closure Plan	Oct. 22, 1993 - Rev. Aug. 19, 1994
Closure Financial Responsibility Document	Appendix C of Closure/Post-Closure Plan
Operating Liability Insurance	May 9, 1995
Waste Discharge Requirements Order No. 95-110	May 24, 1995
Interim Hazardous Materials Response and Inventory Permit	Oct. 26, 1990
EPA Acknowledgment of Notification of Hazardous Waste Activity (CAD982492795)	
California Department of Transportation Encroachment Permit No. 0491-N0123 for installation of safety lighting on Highway 101	June 21, 1991
Quarry Permit No. Q-76-01 for the Borrow Area #1	Issued 1976 - Updated 1991
National Pollutant Discharge Elimination System, General Industrial Activities Storm Water Discharge Permit # 2 21S000012 from the California State Water Resources Control Board	Nov. 19, 1991 - Amended Sept. 17, 1992

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16. Self-Monitoring:

- The operator shall report all self-monitoring programs as described in the RDSI as follows, and maintain these records on the facility's premises for a minimum of three years and made available to any Enforcement Agencies' personnel on request.

PROGRAM	REPORTING FREQUENCY	AGENCY REPORTED TO
The types and quantities of decomposable and inert wastes, including separated or commingled recyclables, green waste, alternate daily cover, entering the site <u>each day</u> (distinguish between the quantities of those materials being disposed of and those reclaimed)	<u>Daily</u> (Available for review during monthly LEA inspections)	Local Enforcement Agency (LEA)
Designated waste received, both type and quantity (see #17 h of the Conditions section of this permit).		
The number of vehicles entering the site per day and per week, by the following categories: Landfilled materials - Recyclable materials - Construction materials		
Reports of all special/unusual occurrences and the operator's actions taken to correct these problems.		
Employee or customer injury.		
Shut-downs (landfilling activities, sludge spreading and air drying, alkaline stabilization process, etc.)		
Odor monitoring		
The quantities and types of hazardous wastes, medical wastes or otherwise prohibited wastes found in the waste stream and the disposition of these materials.	<u>Monthly</u> (Available for review during monthly LEA inspections)	LEA
All incidents of unlawful disposal of prohibited materials and the operator's actions taken. Indicate those incidents which occurred as a result of the random load checking program. Incidents, as used here, means that the hauler or producer of the prohibited waste is known.		
Copies of all written complaints regarding this facility and the operator's actions taken to resolve these complaints.		
Record of receipt of a Notice of Violation from any regulatory agency. In addition, the operator shall notify the LEA at once following receipt of a Notice of Violation or upon receipt of notification of complaints regarding the facility which have been received by other agencies.		
Record of septic holding tank pumpings.	<u>Quarterly</u>	OWM
The results of the explosive gas monitoring program as specified in 14 CCR, Section 17258.23 shall be reported quarterly.		
The operator shall provide the Office of Waste Management (OWM) with reports, as required under Public Resources Code 41821.5, regarding disposal and diversion reporting requirements. Reports shall be provided to the OWM on a quarterly basis and shall comply with the state regulations and local requirements governing diversion reporting.		
Data from a groundwater and leachate monitoring, sampling and analysis program as detailed and required by the Waste Discharge Requirements (WDRs) issued by the Regional Water Quality Control Board (RWQCB).	<u>Semi-annually</u>	(1) LEA (2) RWQCB
Topographical map showing all current fill locations.	<u>Annually</u>	LEA
An estimate of the remaining capacity (in cubic yards and tons), and the remaining life of the existing permitted site in years and months.		
VOC monitoring		

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17. LEA Conditions - General Landfill Activities

- a) This facility shall comply with all the State Minimum Standards for Solid Waste Handling and Disposal as specified in the California Code of Regulations (CCR), Title 14, Chapter 3. The operator shall inspect the site at least once each day of operation to ensure compliance with all applicable standards.
- b) This facility shall comply with all applicable federal, state and local requirements and enactments relative to solid waste disposal, including all mitigation measures given in the Environmental Impact Report, SCH # 91033042, certified on May 24, 1994.
- c) The operator shall maintain copies of all inspection reports and permits by this and other regulatory agencies, this Solid Waste Facilities Permit (SWFP) and the Report of Disposal Site Information (RDSI) at the facility so as to be available at all times to facility personnel and to Enforcement Agency personnel.
- d) This permit supersedes previous permit No. 21-AA-001 issued on 5-25-78, the Garbage Dump Permit dated February 25, 1958, and the Notice and Order of July 31, 1992.
- e) Additional information concerning the design and operation of this facility shall be furnished on request by the Enforcement Agency personnel.
- f) During the hours of operation for all landfill dumping activities, an attendant or attendants shall be present at all times to supervise the unloading of waste material.
- g) The facility is permitted to receive the following wastes:

Nonhazardous Solid Waste:

- Residential waste
- Agricultural waste
- Commercial waste
- Construction and demolition wastes
- Asbestos (material with less than 1 percent friable asbestos content)
- Tires

Designated Wastes:

- Dewatered nonhazardous sludge (generally containing at least 20 percent solids)
- Incinerator ash
- Grit and Grease
- Storm drain cleanings
- Nonhazardous holding tank pumpings from food processing facilities
- Petroleum-contaminated soils which are permitted under waste acceptance criteria approved by RQWCB
- Treated wood (e.g., telephone and power poles, pier docks)
- Dredge and fill material
- Triple-rinsed chemical containers

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- h) The operator shall maintain, at the facility, accurate daily records of the weight and/or volume of refuse received. These records shall be available to the LEA's personnel and to the CIWMB's personnel, and shall be maintained for a period of at least six (6) years.
- i) The operator shall provide the office of Waste Management (OWM) with reports, as required under Public Resources Code 41821.5, regarding disposal and diversion reporting requirements. Reports shall be provided to the OWM on a quarterly basis and shall comply with the state regulations and local requirements governing diversion reporting.
- j) The LEA reserves the right to suspend and/or modify waste receiving operations at this facility when deemed necessary due to any emergency, potential health hazard and/or creation of a public nuisance.
- k) Significant modifications to this permit are subject to public notification.
- l) Waste cover material shall be spread and compacted utilizing the area fill method. Personnel shall not secure the site each day until an inspection confirms that at least six (6) inches of compacted cover has been deposited over all waste.
- m) The operator shall maintain the LEA approved hazardous/prohibited waste screening/exclusion (load checking) program at the facility as per 14 CCR, Section 17258.20. On-site load checking shall occur on a minimum of five (5) random days per month, by personnel trained in such activities.
- n) Signs and other appropriate communication measures shall be utilized by the operator to inform site users of prohibited wastes and instruct them on proper disposal and the nearest collection facility.
- o) Copies of any written complaints (including all regulatory notices such as: Notices of Violation, Notice and Orders, Clean-up and Abatement Orders) concerning the facility shall be forwarded to the LEA within twenty-four (24) hours of its receipt by the operator. The operator's responses/corrective actions taken, shall be furnished to the LEA within thirty (30) days.
- p) The operator shall maintain at the facility, a log of special occurrences to include the following information:
 - fires
 - explosions
 - earthquakes
 - earth slides
 - unusual and sudden settlement
 - property damage
 - accidents and/or injuries
 - discharge of hazardous or unpermitted waste
 - any incidents involving hazardous waste
 - weather conditions that adversely impact site operations
 - flooding
 - visits by regulatory agencies
 - any other unusual occurrences

The log should serve as a record of these situations, and as an indicator of recurrent hazards or trends which can affect operation. Each log entry shall be accompanied by a summary of any actions taken by the operator to mitigate the occurrence (where appropriate). If there are no special occurrences on a given day, it is recommended that "no special occurrences" or a similar entry be made.

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- q) This facility must comply with all monitoring requirements established in the Waste Discharge Requirements, Order No.95-110, in accordance with the provisions of Title 23, Division 3, Chapter 15 of the California Code of Regulations
- r) The operator shall comply with the requirements of all applicable laws pertaining to employee health and safety, including maintaining an up-to-date written Cal-OSHA Injury and Illness Prevention Program (IIPP) on-site at a location readily available for review by all facility employees, the LEA and other regulatory agencies. Whenever personnel are at the site they shall have immediate radio and/or telephone access to a 911 emergency dispatcher.
- s) For compliance with 14 CCR 17670 & 17497 (Personnel Health and Safety), the operator shall ensure that all personnel assigned to waste disposal duties have and utilize (when and where appropriate) appropriate personal safety clothing and equipment. Where applicable, this equipment shall meet all state and federal safety standards. The operator shall maintain an on-site copy of the facility's Health and Safety Plan
- t) A record must be maintained of all onsite wastewater holding tank pumpings.
- u) Salvaging is permitted subject to Title 14, Section 17687 and LEA approved work plan.
- v) Composting will not commence without approval by the LEA and CIWMB.
- w) This SWFP is subject to continual review by the LEA and may be suspended, revoked or modified at any time for sufficient cause.
- x) This permit will be reviewed and if necessary revised at least once every 5 years pursuant to 14 CCR 18213.

LEA Conditions - Sludge Associated Activities

- aa) The operator will be allowed to store and process by air drying non-hazardous sludge onsite as described in the RDSI until September, 1996. The rate of alkaline stabilization or air drying of sludge shall be in accordance with the conditions contained in current Bay Area Air Quality Management District (BAAQMD) permit.
- bb) The operator will implement the air quality monitoring plan as described in Appendix X of the RDSI.
- cc) Redwood Landfill will implement the sludge odor complaint response program contained in Appendix X of the RDSI.
- dd) The operator will contract with an odor consultant at least until September 1996. The odor consultant will act as a liaison between the citizens of Novato (City), the BAAQMD, the LEA, and the operator. Should the consultant confirm during the last six months of monitoring, that odor detected in the City originated from Redwood, the consultant's employment shall be extended for one year.
- ee) Redwood Landfill will initiate a suspension of any sludge related activity with one confirmed odor complaint.

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- ff) Recurring unabated problems with sludge associated activity which have been confirmed by BAAQMD and/or the LEA may be cause for a suspension of that activity until such time as the operator develops and implements mitigation measures to the satisfaction of the LEA.
- gg) Measures must be taken to ensure that the alkaline admixture accepted by Redwood Landfill, Inc. is such that the total and soluble concentrations of all Title 22 regulated metals are consistently below the TTLC and STLC limits under Title 22 criteria.
- hh) Alkaline stabilized cover material is to be processed to greater than 50 percent solids with an objective of achieving at least 60 percent solids.
- ii) Processing of alkaline stabilized soil shall be conducted in a ventilated building with a filtration system capable of reducing odor emissions by 95 percent.
- jj) Redwood Landfill shall practice measures described in the Health and Safety plan and the hazard communication plan (Appendix V or the RDSI), including all safety recommendations covered in James Neeley's Industrial Hygiene Survey Report.
- kk) Alkaline stabilized cover material is presently approved for daily cover only.
- ll) The LEA and CIWMB shall be notified of any desired changes for approval prior to implementation as per PRC 44004 (120 day notice).
- mm) Any contact water with the alkaline stabilized product must be diverted to the leachate holding ponds(s).
- nn) All monitoring records, throughput records, etc. are to be available on-site for LEA review.

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DESCRIPTION

All that certain real Property situate in the County of Marin, State of California, described as follows:

PARCEL ONE:

BEING the portions of Surveys numbered 57, 58 and 59 Swamp and Overflowed Lands, Marin County, lying Easterly of the Easterly right of the way line of the Northwestern Pacific Railroad, more particularly described as follows:

BEGINNING at the intersection of the Easterly right of the way line of the Northwestern Pacific Railroad as described in Deed dated May 22, 1877 in Book "P" of Deeds, at Page 420, Marin County Records, and the Easterly boundary line of the Rancho Olompali as surveyed by the United States and as patented to Camilio Ynitia by a patent from the United States, recorded March 16, 1868 in Liber "A" of Patents, at Page 111, Marin County Records, from which National Geodetic Survey Control point "HEN 1960" bears North 35 34'18" West, 2,362.67 feet; thence leaving said Easterly right of way line of said Northwestern Pacific Railroad ("P" Deeds 420) along said Easterly boundary line of the Rancho Olompali ("A" Patents 111), the following courses and distances: South 72 07'12" East (South 73 30' East, per "A" Patents 111), 472.45 feet to Rancho Point "OP 23"; thence North 9 52'48" East, 363.00 feet (North 8 30' East, 363.00 per "A" Patents 111) to Rancho Point "OP 24"; thence North 19 52'12" West, 844.80 feet (North 21 15' West, per "A" Patents 111) to Rancho Point "OP 25"; thence North 6 24'48" East (North 5 02' East per "A" Patents 111), 481.60 feet; thence South 81 22'48" West (South 80 West per "A" Patents 111), 808.80 feet to said Easterly right of way of said Northwestern Pacific Railroad ("P" Deeds 420); thence leaving said Easterly boundary of said Rancho Olompali ("A" Patents 111) along said Easterly right of way of said Northwestern Pacific Railroad ("P" Deeds 420) Northwesterly along a curve to the left whose center bears South 64 26'59" West, having a radius of 5,769.65 feet, through a central angle of 1 23'38", an arc length of 140.36 feet; thence North 26 56'39" West, 2,315.64 feet to the North line of the "Survey No. 59, Swamp and Overflowed Lands, Marin County", recorded August 2, 1881, in Book "A" of Patents at Page 454, Marin County Records; thence leaving said Easterly right of way of said Northwestern Pacific Railroad ("P" Deeds 420) along the Northerly line of said Survey No. 59 ("A" Patents 454) South 88 41'35" East (East per "A" Patents 454) 4,485.82 feet to the Northeast corner of said Survey No. 59 ("A" Patents 454); thence leaving said Northerly line of said Survey No. 59 along the Easterly line of said Survey No. 59 South 1 18'25" West, 4,165.92 feet (South, 63.12 chains per "A" Patents 454) to the Northerly line of "Survey No. 58, Swamp and Overflowed lands, Marin County", recorded August 2, 1881, in Book "A" of Patents at Page 454, Marin County Records; thence leaving said Easterly line of said Survey

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No. 59 ("A" patents 454) along the Northerly line of said Survey No. 58 ("A" Patents 454) South 88 41'35" East (East, per "A" Patents 454), 1,564.53 feet to the Northeast corner of said Survey No. 58; thence leaving said Northerly line of said survey No. 58 ("A" Patents 454) along the boundary of said Survey No. 58, South 1 18'25" West, 1,320.00 feet (South, 20.00 chains per "A" Patents 454); thence South 88 41'35" East 1,320.00 feet (East, 20.00 chains per "A" Patents 454); thence South 1 18'25" West, 1,320.00 feet (South, 20.00 chains per "A" Patents 454) to the Northerly line of "Survey No. 57, Swamp and Overflowed Lands, Marin County", Camilio Ynitia by a Patent from the United States, recorded March 16, 1868 in Liber "A" of Patents at Page 111, Marin County Records, from which National Geodetic Survey Control point "HEN 1960" bears North 37 08'56" West, 2,157.99 feet; thence leaving said Easterly boundary line of the Rancho Olompali along the Easterly right of way line of said Northwestern Pacific Railroad North 19 27'00" West 636.76 feet to said Easterly boundary of said Rancho Olompali; thence leaving said Easterly right of way of said Northwestern Pacific Railroad along said Easterly boundary of the Rancho Olompali, the following courses and distances: North 33 52'48" East, 0.22 feet to Rancho Point "OP 20"; thence South 69 22'12" East, 363.00 feet (South 70 45' East, 5.5 chains per "A" Patents 111) and thence South 15 07'48" West (South 13 45' West per "A" Patents 111) 489.69 feet to the point of beginning. (BASIS OF BEARINGS National Geodetic Survey Control points "HEN 1960" and Lakeville 3", California Coordinate System of 1983 grid bearing North 42 38'26" East. Bearings are California Coordinate System of 1983 grid bearings. Distances are ground distances.)

EXCEPTING any portions lying within the boundary of the Rancho Olompali as surveyed by the United States and as patented to Camilio Ynitia by Patent from the United States, recorded March 16, 1868 in Liber "A" of Patents at Page 111, Marin County Records.

PARCEL THREE:

A NON-EXCLUSIVE EASEMENT for ingress and egress over a strip of land 40 feet in width lying 20 feet on each side of the following described centerline:

BEGINNING at the centerline of the 30 foot wide right of access opposite Engineer's Station 128 + 50 on the Northeasterly right of way line of California State Highway No. 101 as described in the Final Order of Condemnation, The People of the State of California vs Josephina S. Burdell, et al, filed March 1, 1945 in Book 481 of Official Records, at Page 249, Marin County Records; said point of beginning also being South 46 03'12" East, 741.48 feet (South 47 25' East, 741.48 feet per 481 OR 249) from a 6" by 6" concrete monument on said Northeasterly line of said California State Highway No. 101 (481 OR 249) opposite Engineer's Station 121 + 08.52; thence leaving said Northeasterly line of said California State Highway No. 101 (481 OR 249) Northeasterly along a curve to the right whose center bears South 46 03' 12" East, having a radius of 328.00 feet, through a central angle of 26

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00'00", an arc length of 148.84 feet; thence North 69 55'46" East, 677.06 feet; thence North 67 12'37" East, 524.83 feet; thence along a tangent curve to the left whose center bears North 22 47'23" West, having a radius of 480.00 feet, through a central angle of 47 00'00", an arc length of 393.75 feet; thence Northeasterly along a reverse curve to the right whose center bears South 69 47'23" East, having a radius of 150.00 feet, through a central angle of 29 00'26", an arc length of 75.94 feet, more or less to the Easterly line of the parcel of land described in the Deed to Kathlyne Burdell Coleman, recorded October 14, 1916 in Book 183 of Deeds, at Page 55, Marin County Records, also being the Westerly right of way line of the Northwestern Pacific Railway.

THE SIDELINES of said strip are to be prolonged or shortened to terminate Westerly on said Northeasterly line of said California State Highway No. 101 and Easterly on said Westerly line of said Northwestern Pacific Railway.

PARCEL FOUR:

Being a portion of Section 13, Township 4 North, Range 7 West, Mount Diablo Base and Meridian described as follows:

Beginning at the point of beginning of that certain parcel of land described in deed as "Survey No. 14, Swamp and Overflowed Lands, Sonoma County, Township No. 4 North Ranges 6 & 7 West Mount Diablo Meridian, Section 13 and 18: the south half of the southwest quarter of Sec. 13, T.4 N. R.7 W., and west half of southwest quarter and the fractional northwest quarter of Sec 18 T.4 N. R.6 W." recorded July 20, 1865 in Book A of Patents, at Page 133, Sonoma County Records, said point being South 1 01'30" West, 1320.00 feet (South 20.00 chains, per Bk A Patents Pg. 133) from the center of section 13, T.4 N. R.7 W.; thence along the westerly boundary of said Survey No. 14 (A Patents 133) South 1 01'30" West, 1320.00 feet (South, 20.00 chains per Bk A Patents Pg 133) to the southwest corner of said Survey No. 14 (A Patents 133); thence leaving said westerly boundary (A Patents 133) along the southerly boundary of said Survey No. 14 (A Patents 133) South 88 12'08" East (South per Bk A Patents Pg. 133), 1103.97 feet to the easterly right of way line of the Northwestern Pacific Railroad and the true point of beginning, from which National Geodetic Survey control point "Hen. 1960" bears South 6 43'57" East, 1491.62 feet; thence leaving said southerly boundary (A Patents 133) along said easterly right of way line of said Northwestern Pacific Railroad, North 26 56'39" West to the common boundary between Marin and Sonoma Counties; thence leaving said easterly right of way line of said Northwestern Pacific Railroad along said common boundary of Marin and Sonoma Counties northerly to the exterior boundary of said Survey No. 14 (A Patents 133) being the course "West 40.00 chains" described in said deed (A Patents 133); thence leaving said common boundary of Marin and Sonoma Counties along said exterior boundary of said Survey No. 14 (A Patents 133) South 88 12'08" East (East per Bk A Patents Pg. 133)

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to said common boundary of Marin and Sonoma Counties; thence leaving said exterior Boundary (A Patents 133) along said common boundary of Marin and Sonoma Counties easterly and southerly to said southerly boundary of said Survey No. 14 (A Patents 133); thence leaving said common boundary of Marin and Sonoma Counties along said southerly boundary (A Patents 133) North 88 12'08" West (West per Bk A Patents Pg. 133) to the true point of beginning.

BASIS OF BEARINGS National Geodetic Survey Control points "Hen 1960" and "Lakeville 3" California Coordinate System of 1983 grid bearing North 42 38'26" East. Bearings are California Coordinate System of 1983 grid bearings. Distances are ground distances.

EXCEPTING any portion of the above property within the natural bed of the San Antonio Creek and in the natural bed of any tidal slough below the elevation of ordinary high tide where it was located prior to any artificial changes.

PARCEL FIVE:

Being a portion of Section 13, Township 4 North, Range 7 West and Section 18, Township 4 North, Range 6 West, Mount Diablo Base and Meridian, described as below:

Beginning at the point of beginning of that certain parcel of land described in deed as "Survey No. 14, Swamp and Overflowed Lands, Sonoma County, Township No. 4 North, Ranges 6 & 7 West, Mount Diablo Meridian; Section 13 and 18: the south half of the southeast quarter of Sec. 13, T.4 N. R.7 W.; and west half of southwest quarter, and the fractional northwest quarter of Sec.18 T.4 N. R.6 W.", recorded July 20, 1865 in Book A of Patents, at Page 133, Sonoma County Records, said point being South 1 01'30" West, 1320.00 feet (South, 20.00 chains per Bk A Patents Pg 133) from the center of Section 13, T.4 N. R.7 W.; thence along the westerly boundary of said Survey No. 14 (A Patents 133) South 1 01'30" West, 1320.00 feet (South, 20.00 chains per BK A Patents Pg 133) to the southwest corner of said Survey No. 14 (A Patents 133); thence leaving said westerly boundary (A Patents 133) along the southerly boundary of said Survey No. 14 (A Patents 133) South 88 12'08" East, 3960.00 feet (East, 60.00 chains per Bk A Patents Pg 133) to the southeast corner of said Survey No. 14 (A Patents 133) and the true point of beginning, from which National Geodetic Survey control point "Hen. 1960" Bears South 62 33'17" West, 3019.60 feet; thence leaving said southerly boundary (A Patents 133) North 1 01'30" East (North per Bk A Patents Pg. 133) to the common boundary of Marin and Sonoma Counties; thence leaving said exterior boundary (A Patents 133) along the exterior boundary of said Survey No. 14 (A Patents 133) along said common boundary of Marin and Sonoma Counties northerly and westerly to the exterior boundary of said Survey No. 14 (A Patents 133) being the course "South 60.00 chains" described in said deed (A Patents 133); thence leaving said common boundary of Marin and Sonoma Counties along said last described exterior

Attachment A
SOLID WASTE FACILITY PERMIT
Redwood Landfill Property Discription

Facility Name: **REDWOOD LANDFILL, INC**

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boundary of said Survey No. 14 (A patents 133) South 1 01'30" West (South per Bk A Patents Pg.133) to the intersection of the courses "South 60.00 chains" and "West 40.00 chains" described in said deed (A patents 133); thence continuing along said exterior boundary (A Patents 133) North 88 12'08" West (West per Bk A Patents Pg. 133) to said common boundary of Marin and Sonoma Counties; thence leaving said exterior boundary (A Patents 133) along said common boundary Marin and Sonoma Counties southerly to said southerly boundary of said Survey No. 14 (A Patents 133); thence leaving said common boundary of Marin and Sonoma Counties along said southerly boundary (A Patents 133) South 88 12'08" East (East per Bk A Patents Pg 133) to the true point of beginning.

BASIS OF BEARINGS is National Geodetic Survey Control points "Hen. 1960" and "Lakeville 3", California Coordinate System of 1983 grid bearing North 42 38'26" East. Bearings are California Coordinate System of 1983 grid bearings. Distances are ground distances.

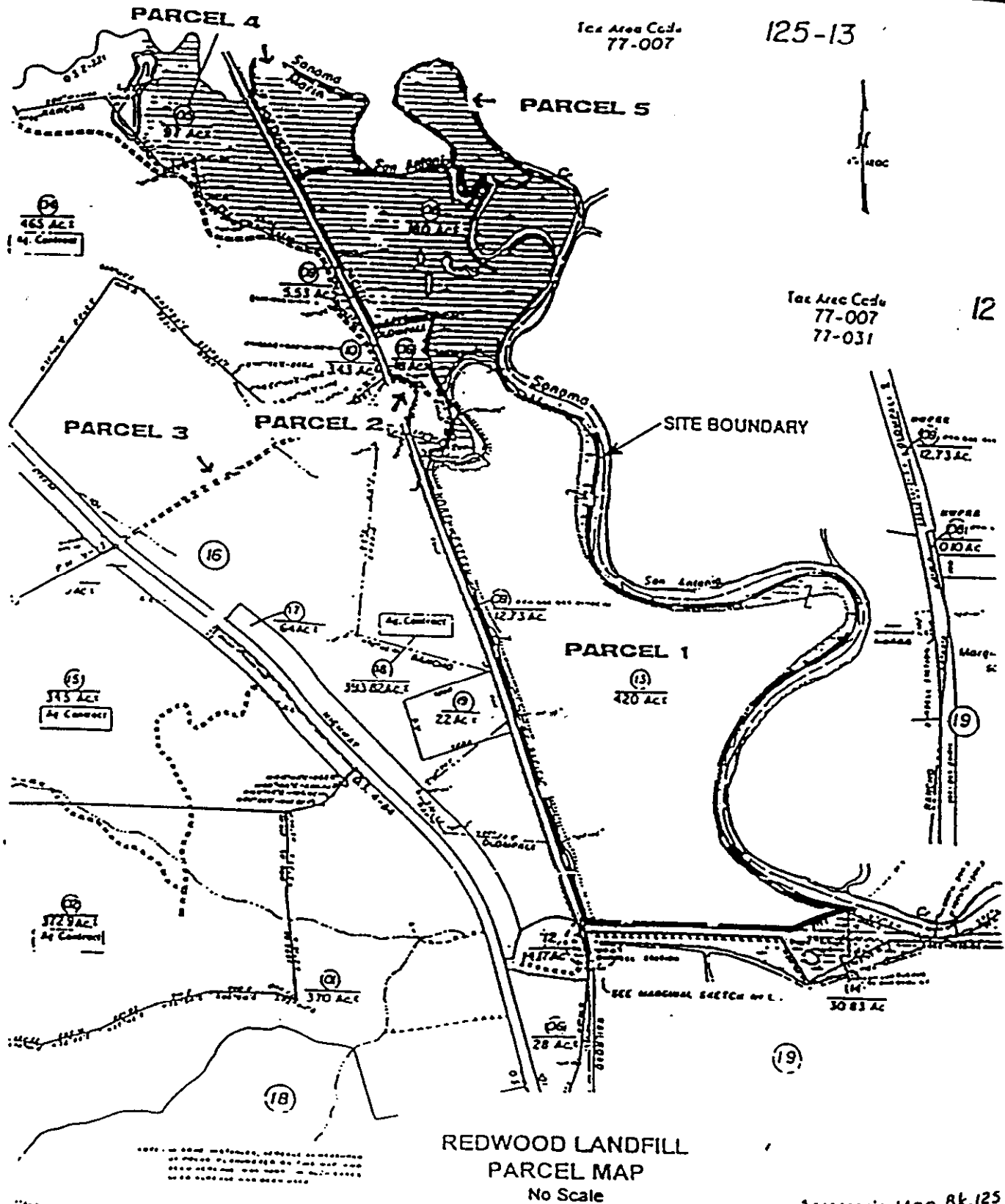
EXCEPTING any portion of the above property within the natural bed of the San Antonio Creek and in the natural bed of any tidal slough below the elevation of ordinary high tide where it was located prior to any artificial changes.

Attachment A
SOLID WASTE FACILITY PERMIT
 Redwood Landfill Property Description

Facility Name: **REDWOOD LANDFILL, INC**

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NOTE - Assessor's Block Numbers Shown in Ellipses
 Assessor's Parcel Numbers Shown in Circles

Assessor's Map Bk. 125
 County of Marin, CA

Attachment B
SOLID WASTE FACILITY PERMIT
Mitigation Monitoring Report

Facility Name: **REDWOOD LANDFILL, INC.**

Facility Name: **21-AA-0001**

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Mitigation Measure/Condition of Approval	Frequency of Monitoring	Frequency of Reporting	Reports Filed With:
3.1 Geology, Soils and Seismicity			
1. Redwood Landfill will implement a geotechnical monitoring program to continuously monitor dynamic and static forces and surface and subsurface soil deformations throughout the life of the landfill.	Quarterly ¹	Annually ²	Redwood, LEA ³ & CRWQCB ³
2. Redwood will have an Emergency Response Plan in place and will implement it should geotechnical monitoring in No. 1, above, indicate deformation and acceleration rates which exceed an acceptable range as determined by a licensed geotechnical engineer.	Continuous ¹	Annually ²	LEA ⁴ & CRWQCB ⁴
3. In the event of differential settlement and/or excessive deformation, Redwood will monitor for and immediately repair damage to landfill cover, leachate collection system, and/or the landfill gas system.	Quarterly ¹	Weekly	LEA ⁴ & CRWQCB ⁴
4. As required by Redwood's Storm Water Pollution Prevention Plan, all erosion control and infiltration control facilities will be inspected.	Weekly (during wet weather periods)	Annually	CRWQCB
5. As required in Redwood's Preliminary Closure and Postclosure Maintenance Plan, Appendix "B", Soil Erosion Control Program, all closed portions of the landfill will be monitored for erosion.	Quarterly	Quarterly	LEA & CRWQCB
3.2 Water Resources			
1. Redwood has implemented an CRWQCB approved Self Monitoring Program (SMP) which includes sampling and monitoring groundwater, leachate and surface waters.	Semi-annual	Semi-annual & Annual	CRWQCB & LEA ⁵
2. If leachate migration outside the perimeter of the landfill is confirmed through the monitoring performed in No. 1, above, Redwood will implement an in-place, financially assured, emergency response program to contain the accidental release.	Quarterly	Weekly	LEA & CRWQCB
3. As required by Redwood's Storm Water Pollution Prevention Plan, all conveyance facilities for contact and non-contact stormwater runoff including berms, dikes, ditches, pipes, flap gates, silt traps, silt fences, and siltation basins will be inspected.	Weekly	Annually	CRWQCB

¹ Or less frequently based on adequacy of data as verified by a geotechnical engineer

² Or more frequently if requested

³ If requested

⁴ Initially, and more frequently if requested in cases of unusual occurrences

⁵ Annual Report only

Attachment B
SOLID WASTE FACILITY PERMIT
Mitigation Monitoring Report

Facility Name: **REDWOOD LANDFILL, INC**

Facility Name: **21-AA-0001**

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Mitigation Measure/Condition of Approval	Frequency of Monitoring	Frequency of Reporting	Reports Filed With:
3.3 Air Quality and Odors			
1. Short term fugitive dust will be monitored and dust control measures, including watering, will be implemented as necessary.	Daily	Annually	Redwood
2. Landfill gas flare emissions and temperature will be monitored in accordance with BAAQMD permit requirements.	Continuous ⁶	Monthly & Annually	BAAQMD
3. All emissions from refuse disposal operations, construction, sludge processing and odor control devices will be monitored as necessary in accordance with an LEA and BAAQMD approved Air Quality Monitoring Plan conducted by a professional engineer.	Daily, Weekly, Monthly, & Quarterly ⁷	Daily, Weekly, Monthly, & Quarterly	LEA ⁸ , BAAQMD, & City of Novato
3.4 Biological Resources			
1. In accordance with a U.S. Army Corps of Engineers (USACOE) approved wetlands mitigation and replacement plan, monitoring of the replacement site will be performed for at least 2 years after construction.	Quarterly	Annual	USACOE & LEA
2. Redwood has implemented a bird control and monitoring plan which includes control measures to deter birds from the pond areas and the working face of the landfill.	Daily	Annually	LEA
3. In accordance with and approved reclamation plan, the adjacent quarry area will be replanted and restored once excavation has been completed.	Annually	Annually	Calif. Dept. Of Conservation, Marin Co. Department of Public Works ⁹ & LEA ¹⁰
3.5 Traffic			
1. Redwood will maintain a photolog of the U.S. 101/landfill entrance intersection pavement from the landfill gate to the Caltrans right-of-way line.	Annually	Annually	Marin Co. Department of Public Works
2. Redwood will monitor and maintain logs of all construction traffic entering the landfill.	Daily	Monthly	Redwood
3.8 Visual Resources			
1. Redwood will place final cover on, recontour and revegetate each stage of the landfill as it is completed.	Annually	Annually	LEA

⁶ /Electronically monitored, recorded, and telemetered

⁷ As dictated by operations

⁸ Notification daily, and written report no later than quarterly

⁹ responsible for quarry topsoil replacement and planting

¹⁰ Responsible for tree planting along U.S. 101